

# INTERNATIONAL SEARCH REPORT

Inter Application No  
PCT/GB2004/005055

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G01H1/00 G06F17/00 G01N29/14

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G01N G01H G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KING S P ET AL: "The use of novelty detection techniques for monitoring high-integrity plant" PROCEEDINGS OF THE 2002 IEEE INTERNATIONAL CONFERENCE ON CONTROL APPLICATIONS (CAT. NO.02CH37330) IEEE PISCATAWAY, NJ, USA, vol. 1, September 2002 (2002-09), pages 221-226 vol.1, XP002324360 ISBN: 0-7803-7386-3	13-18,20
A	page 225, right-hand column, line 1 - page 226, left-hand column, paragraph 2	1-12,19
X	US 6 474 166 B1 (OSAWA HARUSHIGE ET AL) 5 November 2002 (2002-11-05)	13-18,20
A	column 2, line 64 - column 3, line 13 column 4, line 12 - line 45; claim 1 ----- -/-	1-12,19

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

13 April 2005

Date of mailing of the international search report

21/04/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Savage, J

## INTERNATIONAL SEARCH REPORT

Intern Application No  
PCT/GB2004/005055

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/040278 A1 (ANUZIS PAUL ET AL) 4 April 2002 (2002-04-04)	13-18,20
A	paragraphs '0024! - '0037!; figure 10 paragraphs '0040! - '0048! paragraphs '0083!, '0100! - '0115!; claims 17,18	1-12,19
A	US 5 068 800 A (BROOK ET AL) 26 November 1991 (1991-11-26) column 2, line 25 - column 3, line 23	1-20
A	ALLWOOD R J ET AL: "THE AUTOMATIC INTERPRETATION OF VIBRATION DATA FROM GAS TURBINES" AERONAUTICAL JOURNAL, ROYAL AERONAUTICAL SOCIETY, TORNBRIDGE, GB, vol. 100, no. 993, March 1996 (1996-03), pages 99-107, XP008026745 ISSN: 0001-9240 cited in the application the whole document	

# INTERNATIONAL SEARCH REPORT

Inte Application No  
PCT/GB2004/005055

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6474166	B1	05-11-2002	JP 2001074547 A	23-03-2001
US 2002040278	A1	04-04-2002	AU 6774901 A	14-01-2002
			EP 1297313 A1	02-04-2003
			WO 0203041 A1	10-01-2002
			JP 2004502932 T	29-01-2004
US 5068800	A	26-11-1991	US 4975855 A	04-12-1990
			AU 8740391 A	15-04-1992
			JP 2015807 C	19-02-1996
			JP 4258727 A	14-09-1992
			JP 7018747 B	06-03-1995
			WO 9205438 A1	02-04-1992
			US 5520061 A	28-05-1996
			AU 622018 B2	26-03-1992
			AU 5419790 A	09-10-1990
			BR 9007053 A	05-11-1991
			CA 2044243 A1	15-09-1990
			EP 0463108 A1	02-01-1992
			JP 1856981 C	07-07-1994
			JP 2275351 A	09-11-1990
			JP 5063739 B	13-09-1993
			WO 9010863 A1	20-09-1990
			US 5159563 A	27-10-1992